



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE,

In re Application of: Scott Paul Gary

Docket No.: TI-31759

Serial No: 09/822,748

Filing Date: March 30, 2001

For: USING REMOTE PROCEDURE CALLS TO MANAGE CO-PROCESSOR  
RESOURCES

LETTER TO THE OFFICIAL DRAFTSPERSON

Commissioner for Patents  
Washington, D.C. 20231

MAILING CERTIFICATE UNDER 37 C.F.R. §1.8(A)  
I hereby certify that this correspondence is being deposited with the U.S.  
Postal Service as First Class Mail in an envelope addressed to:  
Commissioner for Patents, Washington, D.C. 20231 on July 3, 2001.

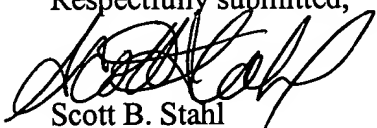
  
Scott B. Stahl

Dear Sir:

Please find enclosed 7 sheets of formal drawings (Figs. 1-17) for the above referenced application.

If you have any questions please contact the attorney below.

Respectfully submitted,

  
Scott B. Stahl

Reg. No. 33,795

Scott B. Stahl  
Jackson Walker L.L.P.  
2435 North Central Expressway, Suite 600  
Richardson, Texas 75080  
Phone: (972) 744-2916  
Fax: (972) 744-2909

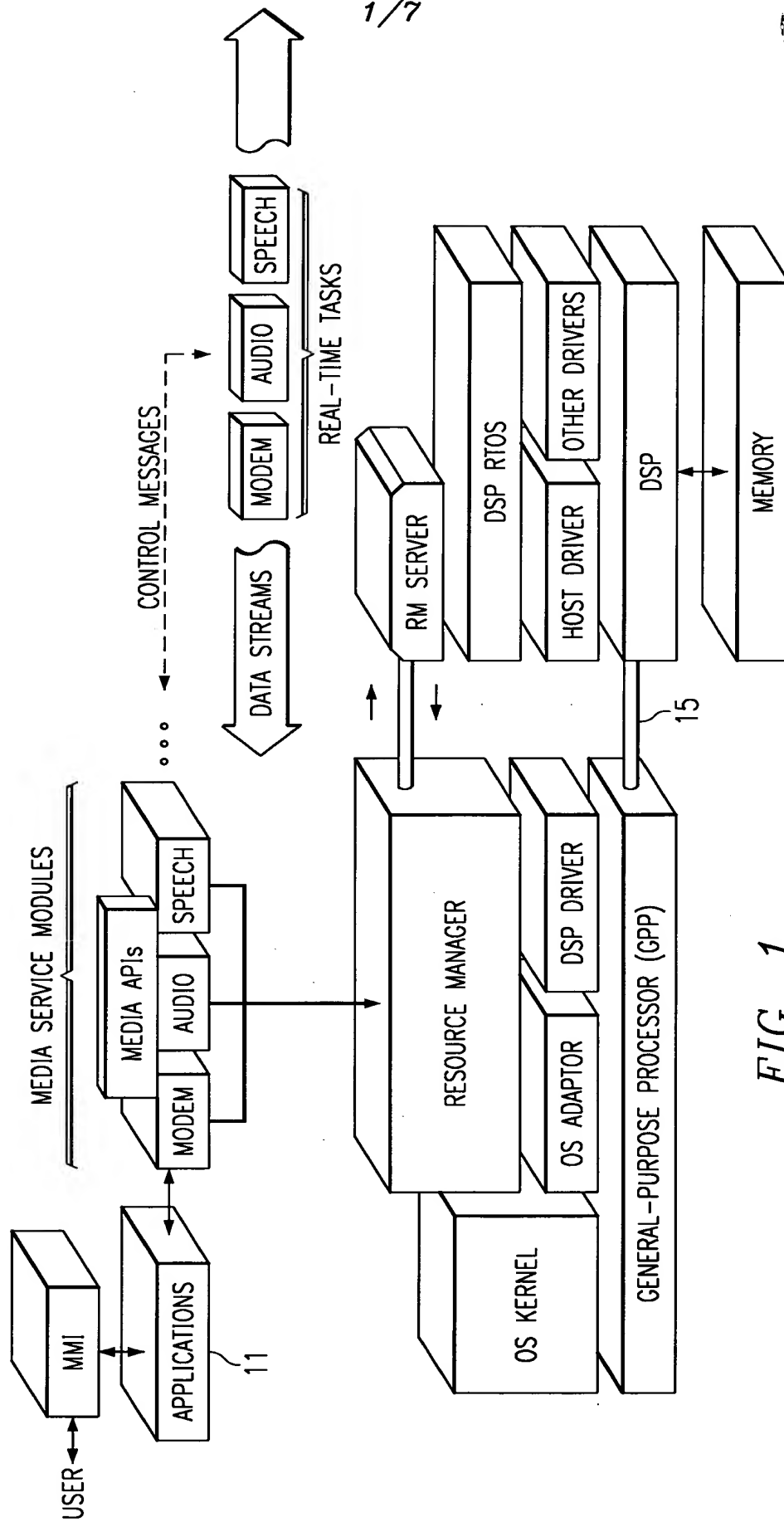


FIG. 1

2/7

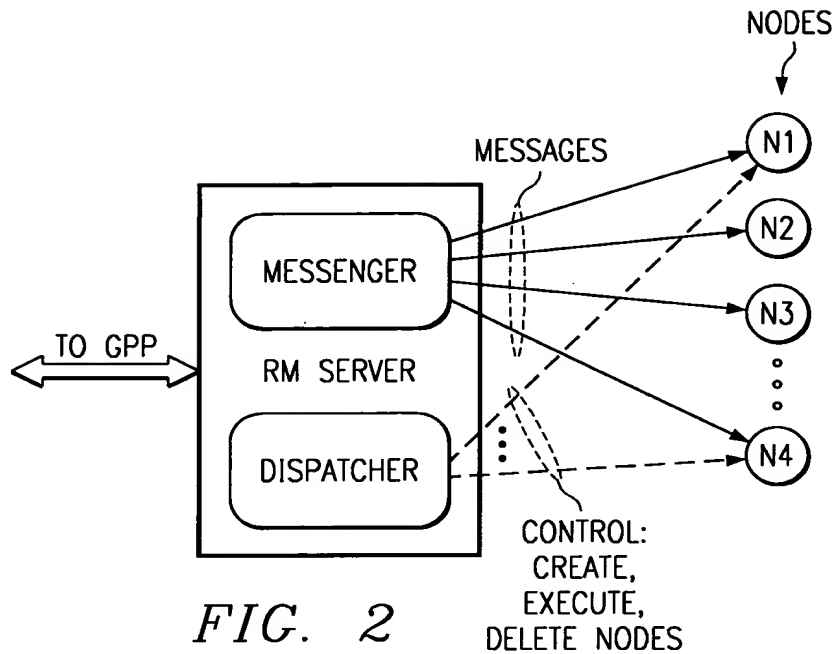


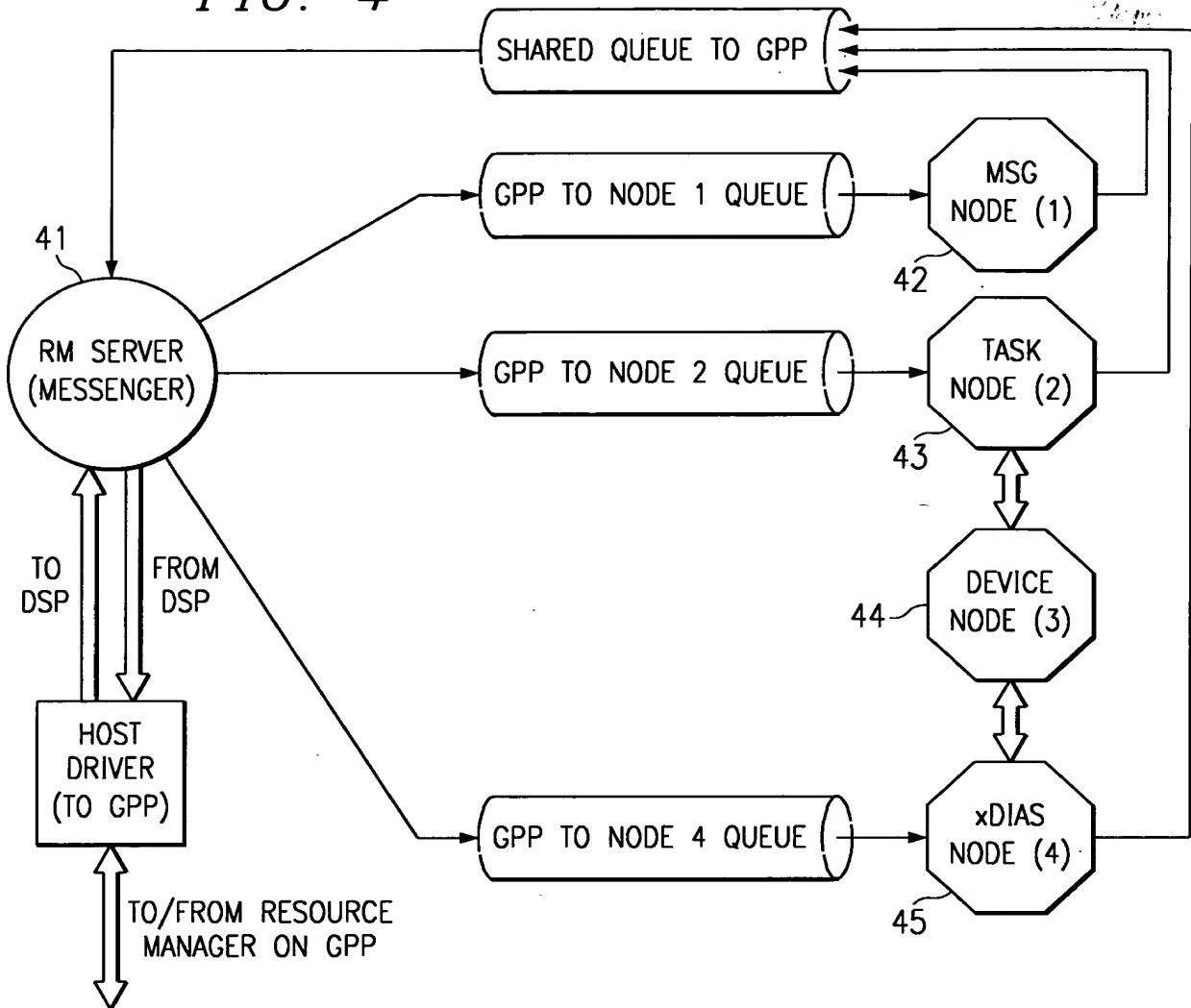
FIG. 2

SERVER FUNCTION	PURPOSE
RMS_queryServer	ALLOW GPP TO QUERY SERVER INFORMATION
RMS_configureServer	ALLOW GPP TO SET SERVER CONFIGURATION PARAMETERS
RMS_createNode	CREATE A MESSAGE, TASK, OR xDAIS SOCKET NODE
RMS_executeNode	LAUNCH A NODE INTO ITS EXECUTE PHASE
RMS_deleteNode	DELETE A NODE'S RESOURCES
RMS_changeNodePriority	CHANGE EXECUTION PRIORITY OF A NODE
RMS_readMemory	READ A WORD OF DSP MEMORY
RMS_writeMemory	WRITE A BLOCK OF DSP MEMORY

FIG. 3

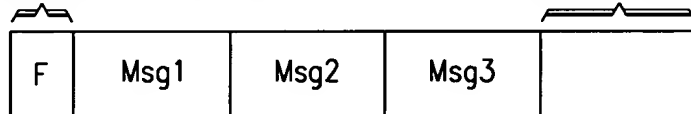
3/7

FIG. 4



CONTENT FLAG: NON-ZERO =  
NUMBER OF MESSAGES IN BUFFER

UNUSED SPACE



MESSAGE CONTENTS:

Cmd

Arg1

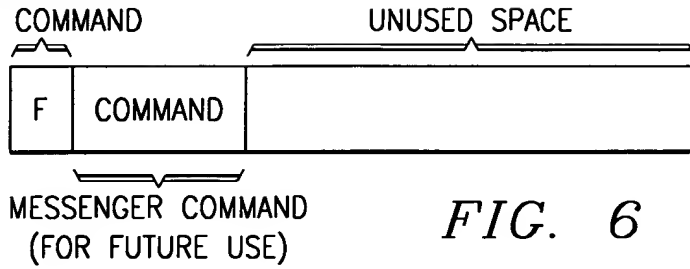
Arg2

NODE ENVIRONMENT

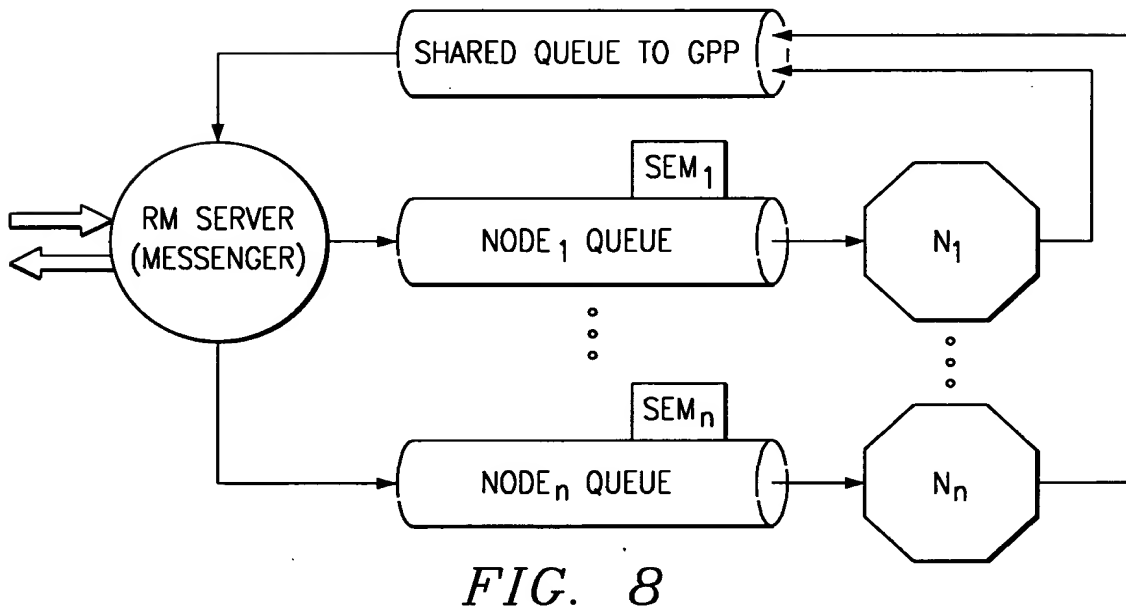
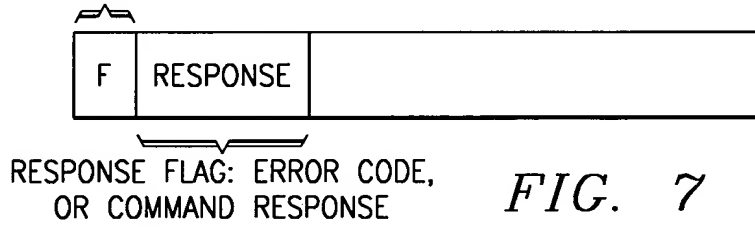
FIG. 5

4/7

CONTENT FLAG:  
0 = COMMAND



CONTENT FLAG:  
0 = NON-MESSAGE BUFFER



5/7

FIG. 9

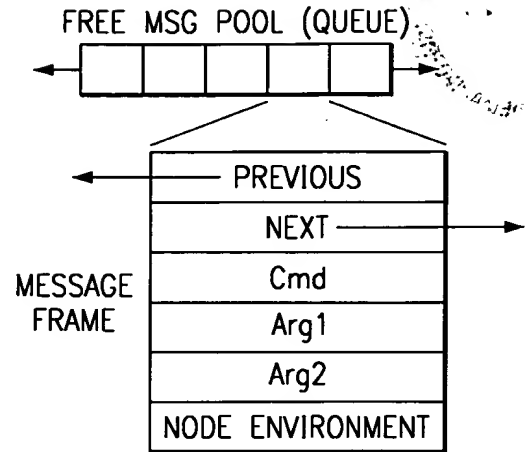
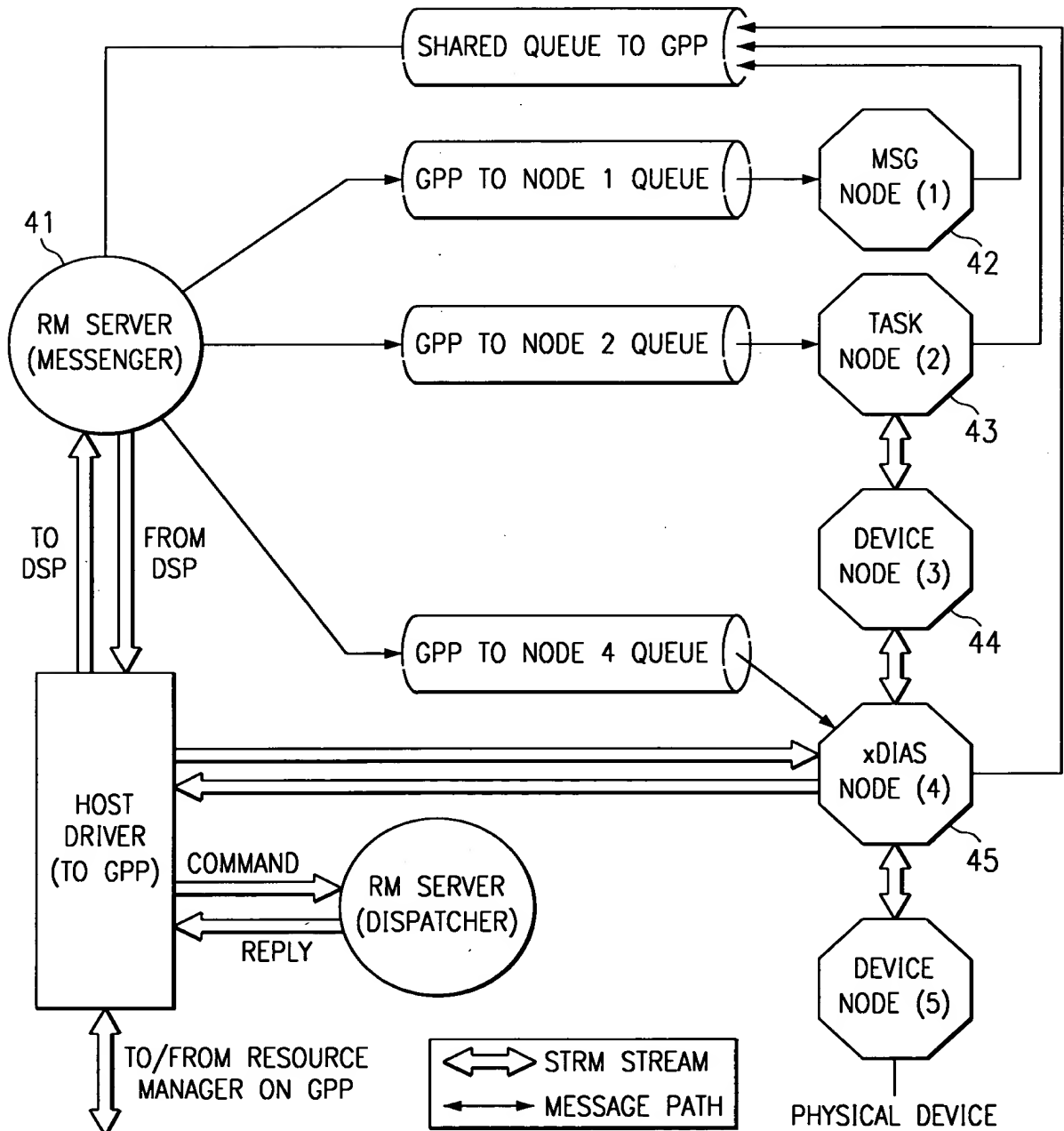


FIG. 10



6/7

COMMAND FIELD (32-BITS)	CONTENTS
fxn	ADDRESS OF SERVER FUNCTION TO EXECUTE
arg1	SERVER FUNCTION ARGUMENT 1
arg2	SERVER FUNCTION ARGUMENT 2
data[]	FUNCTION-SPECIFIC DATA ARRAY

*FIG. 11*

REPLY FIELD (32-BITS)	CONTENTS
RESULT	NODE OR SERVER FUNCTION RETURN CODE
arg1	COMMAND-SPECIFIC RETURN ARGUMENT 1
arg2	COMMAND-SPECIFIC RETURN ARGUMENT 2

*FIG. 12*

SERVER FUNCTION	RESULT	arg1	arg2
RMS_queryServer	QUERIED VALUE	-	-
RMS_configureServer	SUCCESS/FAIL RETURN CODE	-	-
RMS_createNode	nodeCreate RETURN CODE	NODE ENVIRONMENT PTR	-
RMS_executeNode	nodeExecute RETURN CODE, OR COMMAND ACK	-	-
RMS_deleteNode	nodeDelete RETURN CODE	-	-
RMS_changeNodePriority	SUCCESS/FAIL RETURN CODE	-	-
RMS_readMemory	MEMORY CONTENTS	-	-
RMS_writeMemory	SUCCESS/FAIL RETURN CODE	-	-

*FIG. 13*

FIG. 14

7/7

RETURN CODE	ENUMERATED VALUE	MEANING
RMS_EOK	0	OK, NO ERROR
RMS_EOUTOFMEMORY	1	MEMORY ALLOCATION FAILURE
RMS_EMEMFREE	2	MEMORY DE-ALLOCATION FAILURE
RMS_EOUTOFIO	3	I/O ALLOCATION FAILURE
RMS_EIOFREE	4	I/O DE-ALLOCATION FAILURE
RMS_ERESOURCE	5	A RESOURCE WAS UNAVAILABLE
RMS_ENOTFOUND	6	SYMBOL OR MODULE NOT FOUND

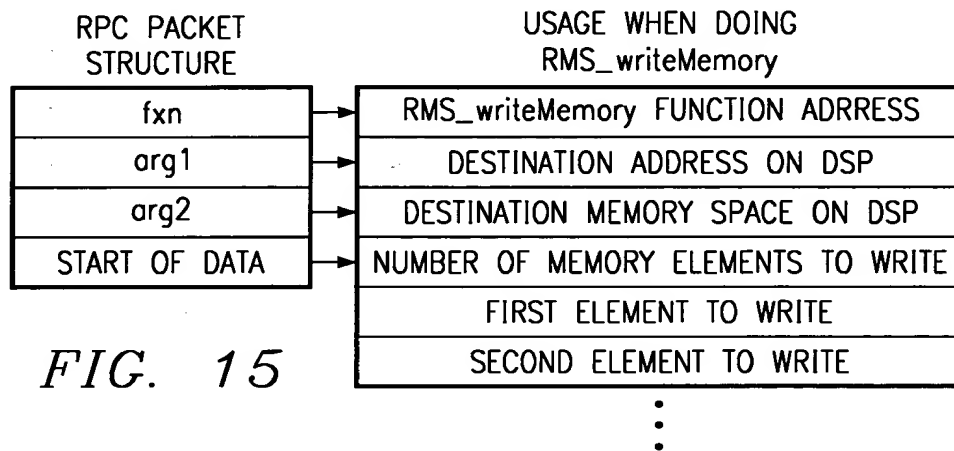


FIG. 16

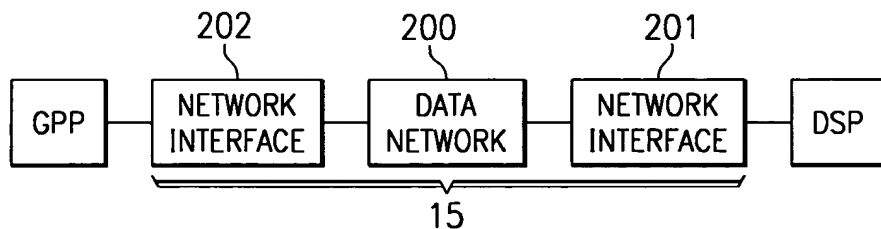


FIG. 17

